

**Amendments to the Claims:**

The listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

Claim 1. (currently amended)      An endoscope system with a disposal sheath, including an ~~permanent~~ endoscope which can be reused for many times and a disposal sheath; wherein ~~a the~~ capsule covers the outside of the endoscope as a part of the disposal sheath, connects with a the disposal channel which is inserted into the endoscope channel, both the anterior ends of the capsule and the disposal channel are connected and joined ~~in a whole body~~; characterized in that a ~~fluid-air exit and a sucking channel adapter are set on posterior endoscope, sheathe and connect a fluid-air channel adapter and sucking channel adapter of the disposal sheath respectively, the fluid-air channel can be a single cavity or double cavities channels; the fluid-air channel, which is in the capsule, set outside of the endoscope; and parallel with the endoscope; the capsule, as the main body of the disposal sheath, covers the outside of the endoscope joining a the~~ jet channel and the fluid-air channel via an the end cap on the anterior end of capsule; ~~to form a whole body; the disposal sheath covers the outer surface of the endoscope body and the inner surface of the endoscope channel as well; the posterior capsule connects a locking ring; after passing through the endoscope channel, the disposal channel is positioned in a the three-way sealing cap via a the guide tube; after use, the channel orifice of the disposal channel can be heated and melted and cut off by a heat fusion forceps, to form a blocked V shape.~~

Claim 2. (currently amended)      The endoscope system with a disposal sheath, according to the claim\_1, characterized in that the end cap is made of a transparent material or a partial elastic transparent thin membrane, its inner end face's shape coincides with the anterior end face of the endoscope body, while the capsule is strained~~the disposal channel connects in the endoscope channel at axial direction in~~

~~anterior endoscope's site of the end cap, the end cap's surrounding is sheathed in anterior capsule.~~

Claim 3. (cancelled)

Claim 4. (currently amended) The endoscope system with a disposal sheath, according to the claim\_1, characterized in that the capsule is made from an elastic, flexible, ~~thin wall nonpoisonous, non-immune, biocompatible~~ and lubricant or lubricated material, the anterior capsule covers the posterior end cap's surrounding, the posterior capsule connects the locking ring, the locking ring with the upper and lower oblique teeth and the handle ~~of the locking ring~~ can make the capsule fix or loose the endoscope, and can be tightly ~~tight~~ locked up or unlocked by handle.

Claims 5 – 6 (cancelled)

Claim 7. (currently amended) The endoscope system with a disposal sheath, according to the claim\_1, characterized in that the three-way sealing cap is made of elastic medical material, its anterior end is fixed on the endoscope channel exit; ~~its straight cavity is the way for inserting medical instrument and tight fixing the disposal channel; its side exit is a sucking channel adapter which connects the sucking channel;~~ in the three-way sealing cap are set three elastic sealing orifices, the inner diameter of the three-way sealing cap is less than the outer diameter of the disposal channel to elastically seal ~~sealing the disposal channel by using the guide tube at the guide tube's assistance.~~

Claim 8. (currently amended) The endoscope system with a disposal sheath, according to the claim\_7, characterized in that the outer diameter of the guide tube is larger than the inner orifice of the three-way sealing cap and the inner diameter of the guide tube is less than the outer diameter of the disposal channel; the ~~temporary~~ guide tube can be sheathed in the three-way sealing cap, in advance, for sheathing the disposal channel in; ~~which diameter is quite large; the guide tube consists of a tube body with a handle, guide tube core, a long orifice, and a orientation pin, the long orifice is symmetrically set in the tube body to allow the orientation pin crossed the guide tube~~

~~core to slide forward and backward in it; the distance between the handle end face and posterior end of the long orifice is equal to the distance between the upper orifice of the three way sealing cap and lower end face of the third elastic sealing orifice, the long orifice's length is more than the distance between the lower end of the guide tube and the first elastic sealing orifice of the three way sealing cap; while the handle end face closes to the upper orifice of the three way sealing cap, the orientation pin of tube core is pushed over the third elastic sealing orifice by the posterior end of the guide tube wall's long orifice, so that the tube core's lower end orientates to inferior to the second elastic sealing orifice; while the three way sealing cap is installed on the endoscope, the tube core's lower end makes the posterior end of the disposal channel which is higher than the sucking channel orifice, being pressed to under the sucking channel orifice to prevent the sucking channel orifice from block; while pulling out the guide tube, although the guide tube's lower end is extracted out the first elastic sealing orifice, due to the space provided by the long orifice's length, the tube core's lower end cannot raise the disposal channel because the orientation pin of tube core is yet sited under the third elastic sealing orifice, and the disposal channel instantly is tight contracted and fixed, while all of the guide tube is pulled out from the three-way sealing cap, the disposal channel is closed up again and fixed by the second elastic sealing orifice, to make the posterior end put on in right position of the three-way sealing cap.~~

Claims 9 – 10 (cancelled)